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## REISSUE PATENT APPLICATION TRANSMITTAL

Address to:  Assistant Commissioner for Patents Box Patent Application Washington, DC 20231	Attorney Docket No.	11032/5
	First Named Inventor	Dwight Allen Merriman
	Original Patent Number	5,948,061
	Original Patent Issue Date (Month/Day/Year)	Sept. 7, 1999
	Express Mail Label No.	EL1A9106343US

**APPLICATION FOR REISSUE OF:**  Utility Patent  Design Patent  Plant Patent  
(check applicable box)

APPLICATION ELEMENTS		ACCOMPANYING APPLICATION PARTS	
1. <input checked="" type="checkbox"/> * Fee Transmittal Form (PTO/SB/56) (Submit an original, and a duplicate for fee processing)	7. <input type="checkbox"/> Foreign Priority Claim (35 U.S.C. 119) (if applicable)		
2. <input checked="" type="checkbox"/> Specification and Claims (amended, if appropriate)	8. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations		
3. <input checked="" type="checkbox"/> Drawing(s) (proposed amendments, if appropriate)	9. <input type="checkbox"/> English Translation of Reissue Oath/Declaration (if applicable)		
4. <input type="checkbox"/> Reissue Oath / Declaration (original or copy) (37 C.F.R. § 1.175)(PTO/SB/51 or 52)	10. <input type="checkbox"/> * Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application, <input type="checkbox"/> Status still proper and desired (PTO/SB/09-12)		
5. Original U.S. Patent <input type="checkbox"/> Offer to Surrender Original Patent (37 C.F.R. § 1.178) (PTO/SB/53 or PTO/SB/54) or <input type="checkbox"/> Ribboned Original Patent Grant <input type="checkbox"/> Affidavit / Declaration of Loss (PTO/SB/55)	11. <input type="checkbox"/> Preliminary Amendment		
6. Original U.S. Patent currently assigned? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  (If Yes, check applicable box(es))	12. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)		
<input type="checkbox"/> Written Consent of all Assignees (PTO/SB/53 or 54) <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement <input type="checkbox"/> Power of Attorney	13. <input type="checkbox"/> Other: ..... ..... .....		
<b>*NOTE FOR ITEMS 1 &amp; 10: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).</b>			

14. CORRESPONDENCE ADDRESS					
<input type="checkbox"/> Customer Number or Bar Code Label		<input type="checkbox"/> (Insert Customer No. or Attach bar code label here)		or <input type="checkbox"/> Correspondence address below	
Name	Gerard A. Messina				
Address	Kenyon & Kenyon One Broadway				
City	New York	State	New York	Zip Code	10004-1050
Country	USA	Telephone	(212) 425-7200	Fax	(212) 425-5288

NAME (Print/Type)	Gerard A. Messina	Registration No. (Attorney/Agent)	35,952
Signature			Date 5/24/00

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## REISSUE APPLICATION FEE TRANSMITTAL FORM

Docket Number (Optional)

11032/5

## Claims as Filed - Part 1

Claims in Patent	For	Number Filed in Reissue Application	(3) Number Extra	Small Entity		Other than a Small Entity	
				Rate	Fee	Rate	Fee
(A) 50 (C) 9	Total Claims (37 CFR 1.16(j)) Independent Claims (37 CFR 1.16(i))	(B) 50 (D) 9	**** * 0 = x \$ ____ = 0 = x \$ ____ =	or	x \$ ____ = x \$ ____ =	0 0	\$ 690.00 \$ 690.00
Basic Fee (37 CFR 1.16(h))				\$ ____			
Total Filing Fee				\$ ____	OR	\$ 690.00	

## Claims as Amended - Part 2

	(1) Claims Remaining After Amendment		(2) Highest Number Previously Paid For	(3) Extra Claims Present	Small Entity		Other than a Small Entity	
					Rate	Fee	Rate	Fee
Total Claims (37 CFR 1.16(j))	***	MINUS	**	* = =	x \$ ____ =		or	x \$ ____ =
Independent Claims (37 CFR 1.16(i))	***	MINUS	*****	=	x \$ ____ =			x \$ ____ =
Total Additional Fee				\$ ____	OR	\$ ____		

\* If the entry in (D) is less than the entry in (C), Write "0" in column 3.

\*\* If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space.

\*\*\* After any cancelation of claims

\*\*\*\* If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20).

\*\*\*\*\* "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C).

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 Signature of Applicant, Attorney or Agent of Record

Gerard A. Messina, Reg. No. 35,952

Typed or printed name

EL 179166343US

**METHOD OF DELIVERY, TARGETING, AND  
MEASURING ADVERTISING OVER  
NETWORKS**

**BACKGROUND OF THE INVENTION**

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1. Area of the Art

This invention relates to methods of delivery of advertisements and measuring responses to those delivered advertisements and in particular relates to the targeting of advertisements delivered over networks such as the Internet. 10

2. Description of the Prior Art

In advertising, it is considered highly desirable to target advertisements to the appropriate potential customer base, rather than to broadcast advertisements in general. It has 15 long been known that, for example, advertisements for computers should generally not appear in magazines on gardening and, conversely, advertisements for gardening tools should not appear in magazines on computers. 20 Similarly, advertisers have generally targeted their advertisements on television to programs appropriate for the desired customer base.

It has also long been known that an advertisement that is repeated too often will eventually become ignored by consumers. Therefore, an advertiser typically wishes to eliminate duplication and reach as many individuals in the advertiser's target group as possible. 25

The recent development of on-line networks, such as America On-Line, Compuserve, and the Internet, has led to 30 "on-line" advertising. For example, on the Internet, often such on-line advertisements will appear on a web page, such as a banner on the top or the bottom of the page. When the user views a web page using a browser such as Internet Explorer 3 or Netscape 3, the banner appears at the appropriate location and the user may then try to find out more information regarding the advertisement by selecting the advertisement (clicking through on that banner) through the use of the mouse or other pointing device. This will cause a 35 HTTP message to be generated by the browser using the information encapsulated in association with the banner to send a request for an object with a given URL address to a different appropriate web site to access, for example, the advertiser's home page. 40

Nonetheless, such advertising has had, so far, a poor rate 45 of response because it is untargeted advertising. Thus, someone who is totally uninterested in computers other than they happen to be on the Internet, may continually see advertisements for computers. On the other hand, someone who is interested in computers may continually see advertisements for gardening tools when browsing through a 50 particular web site. Thus it would be highly desirable to have a method of targeting the advertising to the appropriate user.

In addition, if a user of such computer networks is continuously exposed to the same advertisement, the 55 response rate to the advertisement will generally decline. Therefore, it is highly desirable to have a system that controls the frequency of exposure of advertisements to particular users. In addition, it is also important for the advertisers to track response to the advertisements and to 60 acquire as much information about those people responding to the advertisements for targeting those same people at later dates.

Therefore, it is a first object of this invention to provide 65 targeting of advertising over networks such as the Internet. It is a second object of this invention to provide control over frequency of exposure to users for advertisements appearing

on web pages over time. It is a third object of the invention to provide the capability to gather information about recipients of the advertisement.

#### SUMMARY OF THE INVENTION

These and other objects of the invention are achieved by the disclosed system and methods. Information about networks and subnetworks is routinely collected. In addition, information about individual users is also gathered when users select (click on) different advertisements. Also, data is tracked on how often a given advertisement has been displayed, how often a given user has seen a given advertisement, and other information regarding the user and the frequency of the display of the advertisement.

To effect such a capability, an advertising server process is provided as a node on the network. The various advertisements are stored on the network of the server and preferably on the server. When, for example, a user using a web browser accesses a web page that is affiliated with the advertising server process, the affiliated page's encoding includes an embedded reference to an object provided by the advertising server process. That causes the user's browser to contact the advertising server process to provide the advertising image or information that will appear on the accessed web page as displayed by the user's browser. Using the address information and/or other information passed by the browser for the user, including the page being accessed by the user, the advertising server process determines an appropriate advertisement to select for the particular user. In addition, the advertising server process will use information such as the number of times the user has seen various advertisements, how often the advertisement has been seen by any user and the start and stop date for the various advertisements to select which advertisement to transmit to the user's web page for display.

If the user decides to respond to the advertisement selected by the web server by clicking on the advertisement, the advertising server process logs that fact and to have more information about the given user. A derive profile process is used for compiling information on TCP/IP networks for use by the advertising server process. By compiling the information on networks and user selections, the advertising server process is able to compile information that can be used for targeting advertising.

#### DESCRIPTION OF THE FIGURES

FIG. 1 is diagram for explaining a first embodiment of the invention.

FIG. 2 is a diagram explaining the processes performed in the preferred embodiments.

FIGS. 3A, 3B and 3C are diagrams showing the basic structure of some of the databases kept by the advertising server.

#### DETAILED DESCRIPTION OF THE INVENTION

The basic architecture of the network 10 comprises at least one affiliate web site 12, an advertisement (ad) server web site 19 and one or more individual advertiser's web sites 18. Affiliates are one or more entities that generally for a fee contract with the entity providing the advertisement server permit third party advertisements to be displayed on their web sites. When a user using a browser accesses or "visits" a web site of an affiliate, an advertisement provided by the advertisement server 19 will be superimposed on the display

of the affiliate's web page displayed by the user's browser. Examples of appropriate affiliates include locator services, service providers, and entities that have popular web sites such as museums, movie studios, etc.

The basic operation of the system is as follows in the 5 preferred embodiment. When a user browsing on the Internet accesses an affiliate's web site 12, the user's browser generates an HTTP message 20 to get the information for the desired web page. The affiliate's web site in response to the message 20 transmits one or more messages back 22 containing the information to be displayed by the user's 10 browser. In addition, an advertising server process 19 will provide additional information comprising one or more objects such as banner advertisements to be displayed with the information provided from the affiliate web site. 15 Normally, the computers supporting the browser, the affiliate web site and the advertising server process will be at entirely different nodes on the Internet. Upon clicking through or otherwise selecting the advertisement object, which may be an image such as an advertisement banner, an icon, or a 20 video or an audio clip, the browser ends up being connected to the advertiser's server or web site 18 for that advertisement object.

In FIG. 1, a user operates a web browser, such as Netscape or Microsoft Internet Explorer, on a computer or PDA or other Internet capable device 16 to generate through the hypertext transfer protocol (HTTP) 14 a request 20 to any one of preferably a plurality of affiliate web sites 12. The affiliate web site sends one or more messages back 22 using the same protocol. Those messages 22 preferably contain all 25 of the information available at the particular web site 12 for the requested page to be displayed by the user's browser 16 except for one or more advertising objects such as banner advertisements. These objects preferably do not reside on the affiliate's web server. Instead, the affiliate's web server 30 sends back a link including an IP address for a node running an advertiser server process 19 as well as information about the page on which the advertisement will be displayed. The link by way of example may be a hypertext markup language (HTML) <img> tag, referring to, for example, an inline 35 image such as a banner. The user's browser 16 then transmits a message 23 using the received IP address to access such an object indicated by the HTML tag from the advertisement server 19. Included in each message 23 typically to the advertising server 19 are: (i) the user's IP address, (ii) a 40 cookie if the browser 16 is cookie enabled and stores cookie information, (iii) a substring key indicating the page in which the advertisement to be provided from the server is to be embedded, and (iv) MIME header information indicating the browser type and version, the operating system of the 45 computer on which the browser is operating and the proxy server type. Upon receiving the request in the message 23, the advertising server process 19 determines which advertisement or other object to provide to user's browser and transmits the messages 24 containing the object such as a 50 banner advertisement to the user's browser 16 using the HTTP protocol. Preferably contained within the HTTP message is a unique identifier for the advertiser's web page appropriate for the advertisement. That advertisement object is then displayed on the image created by the web user's 55 browser as a composite of the received affiliate's web page plus the object transmitted back by the advertising web server.

As part of the "click through" process, when the user 60 clicks on the banner or other advertising object displayed by the user's browser 16, the user's browser again transmits a message to the ad server. The ad server notes the address of

the computer of the browser (or any other identifier such as a cookie or a digital signature) that generated the message 23 and transmits back the URL of the advertiser's web page so that the user's web browser 16 generates a message 26 to contact the advertiser's web site. 18. The ad server process 19 also notes that a "click through" for an advertisement has occurred and updates the various databases in the manner described below. In the above scenario for the click through process, the ad server process must remember which advertisement was sent to the user's browser in order to know where to redirect the user's browser.

While in the above embodiments, the user is a computer on an IP network using a browser, the affiliate web sites are web pages of affiliates located somewhere on the Internet and the ad server is a particular node on the Internet, other setups are also possible. The affiliates may be ISP's or may be actual dedicated web servers and the users may be an entire network instead of an individual browsing on a single computer with a browser.

FIG. 2 shows the ad server architecture. The ad server, which may comprise one or more servers uses a database 54 that will be described below and performs reporting processes 59, management processes 58, derivation of profile processes 52 and advertisement processes 19. The derive profile process 52 is how the advertisement server gathers information about individual users or TCP/IP networks for individual users. Advertisements, which may be advertisement banners are stored within the ad server process 19 as part of the advertising server process 19 and are periodically updated and refreshed. The advertisement server process 19 is used for responding to requests from advertisements provided by the user's as described above. The management process 58 is used for updating the various advertisements and overall control of the advertising server process 19 and also permits the advertisers to interface with the database to obtain up to the date reports on the placement of the advertisements. The report process 59 is used for generating online reports about the success rate of the advertisement and statistics on the users that are viewing and clicking through on various advertisements and also updating the counters in the database that store how often an advertisement has been displayed.

The basic database structure is shown in FIG. 3. For each user identified by the system as shown in FIG. 3A, a user identification, IP address, domain type, time zone, location of the user, standard industrial code for the user's network, the particular advertisements seen and the number of times each such advertisement is seen, the advertisements that were selected or "clicked on" and the pages on which the various users' advertisements were seen is collected. By using the information such as which advertisements a user has expressed interest in and which pages the user was viewing when the user clicked through along with other information, targeted Internet advertising is possible.

FIG. 3B shows a database structure for the advertisements. Included in the information for an advertisement are an identifier for the advertisement, the start date for the advertisement being carried, the last date the advertisement is to be carried, the total number of people who have viewed the advertisements, the target or the minimum number of times the advertisement is to be viewed, acceptable viewers by their web site's SICS (Standard Industry Codes), clicked through and pages that the advertisements are seen on.

Also, as noted above, to enhance the process of identifying information about various users, information on domains or networks is also tracked. This information includes the

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domain name and type (e.g., military, government, commerce, foreign countries), the IP address, the standard industrial code, the time zone and the address as shown in FIG. 3C. This information can be used in developing information about users. Through the use of these three databases 5 and other appropriate databases that may be kept, the various processes of the advertising server process 19 are performed.

## Advertising Server Processes 19

In response to an incoming message to the advertising server process 19, the advertising server processes 19 first attempts to identify the user in FIG. 2. This can be accomplished by at least one of two means. First, any incoming request for an image or a multimedia object is examined to determined the IP address of the requesting browser. The advertising server then notes whether a cookie was received in the MIME heading of the request. From these two pieces of information, a user identification is determined. If a cookie was detected, then the cookie contains the user's identification number that can be accessed in the database. 10 If the user's browser is cookie enabled but no cookie is detected, then the request is from a new user so a user identification must be assigned to the user and that user's new identification number will be transmitted back to the users browser along with a write cookie instruction that causes the browser to write a cookie containing that unique identification number on the user's local drive for future accesses to affiliate sites. The cookie instruction is transmitted back with the advertisement messages 24. Alternatively, 15 instead of using cookies, digital signatures or certificates or log ins uniquely identifying the user accessing the affiliate page may be used.

If the user's browser does not support cookies, the advertising server process looks up the user's IP address in a table that stores identification numbers that correspond to IP addresses for the users who have previously contacted the advertising server process. If the IP address is not found in the table, then the user is a new user and is assigned an unused identification number. Also, for each new user, that user's identification number will be marked for further processing under the derive profile process 52 described below. Also, if the domain for the new user has not previously been processed in the domain profile process, it may not be possible to target the advertisement for the new user and rather the new user should be shown a generic advertisement. Also, for new users, a promotional advertisement may be shown to get the new user to provide information about him or herself and his or her employer. 20

If the user is an existing user, the ad server 19 obtains from a database all of the information known about the user including the user's geographic location, the domain type (commercial educational, governmental, the Internet service provided), the organization type where the user works (for example a SIC code), the company size, the number of 25 employees in that company, the particular types of advertisements that the user has clicked on by SIC or other appropriate coding and the number of times that the user has been exposed to each advertisement currently in the system as described in FIG. 3A. Also, the relative time of day for the user is calculated based upon either the user's country code or the user's IP access provider or the location of their domain. 30

Each advertisement along with a table of the targeting profile criteria for the advertisement and other data regarding the advertisement currently available is stored in a 35 database such as shown in FIG. 3B. The actual advertising

object, which may be a banner image in a GIF or JPEG file format, an icon for an audio or video clip or some other object is kept as part of the advertising server process. This information may include targeted consumers by SIC, country, organization type and type of advertisements previously selected by the user. For any of the advertisements currently provided for which there is a match (for example there may be several advertisements targeted at people interested in computers), the next step is to determine which of the advertisements for which there is a match should be selected.

The preferred embodiment also includes determining which advertising object should be selected if two or more advertising object have criteria matching the user. selecting from the matched advertisements by determining how often the particular user has been exposed to the given advertisement. For each user, data is kept about the number of times that a user has seen a given advertisement based upon the user ID. For each advertisement where the user matches the criteria, if the number of times that the user has seen the advertisement is less than a predetermined threshold, the advertisement is retained as one of the possible matches. If the number of times that the user has seen a given advertisement exceeds the threshold, the advertisement is discarded as a possible candidate for transmitting back to the user.

From the advertisements for which the user matches the criteria and for which the user has seen the advertisement less than the threshold, any of number of algorithms may be used to select the particular advertisement to transmit back to the user. In an embodiment, the formula used is based upon a satisfaction index (SI) according to the following formula:

$$SI = \frac{n}{N} * \frac{\text{end} - \text{start}}{\text{now} - \text{start}}$$

Where:

n: the number of times the particular advertisement has been viewed by anyone

N: the number of times the advertisement is to be seen by anyone

end-start: the total number of days that the advertisement is scheduled to run

now-start: the number of days that the advertisement has run to date

The satisfaction index (SI) is 1.0 when the advertisement is on schedule. If the advertisement is running behind schedule (i.e., the current rate of display means that the advertisement will not be viewed the targeted number of times by the end date so that the SI is less than 1.0) while if the SI is greater than 1.0, the advertisement is running ahead of schedule. Therefore, the advertisement that is to be selected for viewing is the one that has a matched profile and has the smallest SI. Upon selecting the advertisement, the selected advertisement object is then transmitted to the user's browser over the Internet by transmitting the GIF stored in RAM in one or more messages.

After delivery of the advertisement to the user, additional processing needs to be done both for tracking the exposure of the advertisement and for having more information about the user. First, the system stores the fact that the advertisement was sent to the user by storing that information in the database based upon the user ID. This information is used for processing the user's response to the advertisement when the user "clicks" on the advertisement. Also, the advertising

processor updates the advertisements satisfaction index and logs the advertisement delivery for providing reports. Also, if the advertisement that has been sent has a limit on the number of times that the advertisement can be sent, the count of the number of times that the advertisement has been transmitted is incremented. This limit can be the overall limit for the number of times that the advertisement is viewed and/or the limit that any specific user can view the advertisement. If the limit on the number of times the advertisement can be sent is reached, then the particular advertisement is removed from the list of those that can be transmitted. In addition, even if an advertisement has not been transmitted recently, the SI is updated to reflect the passage of time.

If the user then decides that he wants to respond to the advertisement and then clicks on the advertisement, the advertisement server 19 receives an HTTP request 23 for a click through which it will recognize by receiving the same IP address (and optionally, the user ID specified by the cookie, digital signature or certificate or log in identification) in the request from the same affiliate's web page within a predetermined period. Since the advertisement server previously recorded which advertisement was sent to that IP address, it sends the redirect message causing the user's browser to receive the URL for the advertiser's web site based upon data stored in the server. In addition, the server logs that the advertisement was clicked through, which user selected the advertisement based upon the IP address, and the page on which the advertisement was seen based upon the click through. This information can then be logged in later reporting processes 59.

As an alternative to using a satisfaction index, the selection of the particular advertisement object to be sent back to the viewer's browser by the advertising server process 19 can be made by different criteria. For example, models can be created to maximize the likelihood of a click through. Such models for maximizing the likelihood of a click through may be based upon empirically gathered information about either types of advertisements or individual advertisements actually on the system correlated to the compiled information on a user or the user's network and the specific page through which the user is accessing the advertising server process 19.

#### Derivative Profile Process 52

In addition, as part of the profiling process for gathering information about users and IP addresses needs to be done. First, appropriate "networks" need to be identified based upon the TCP/IP network address of the user. Periodically, the derive profiles process searches the user database for the address of additional users that have addresses for unknown networks, indicating that they are new users. Then the server does a reverse domain name search to locate the domain name of the user. The server also queries Internet Whois databases to find information about the network, which will often include the domain name.

Alternatively, a reverse form of look up can be used independent of people accessing the network. When a domain is discovered, the server will check common DNS names for the name, such as those starting with "www" and "ftp". These resolve to IP addresses in most cases. From the IP addresses, the network number can be extracted and if the network does not yet have a domain name associated with the network number or address, the new domain associated with the network. A reverse domain name look up (A Whois lookup) will then usually provide the name, address and phone number of the organization, thereby providing the

geographic location and the time zone of the network. Once the domain name is acquired, the server will determine whether the domain is an educational, military, governmental network and for non-U.S. based networks what country the network is located in through the extension.

However, it should be noted that some networks cover broad geographic areas and that further checking needs to be done to ensure that the data may be inaccurate. This can be done by performing a trace route operation to trace the network topology back to the network being examined. If the last two or three nodes on the trace show as being from a given region, the chances are high that the specific user on a network is located in that geographic area. Thus, reverse traces can be used to confirm location with a database for geographic locations. By checking telephone directories and other sources, the specific location for such users may be found by looking up the locations where the owner of the domain name has facilities and using the one closest to the outcome of the trace back step. If the information for a given user is different than the location of the domain based upon the trace back, it is this address and location information that is then used.

Further for each domain that is found, a determination must be made as to whether the domain is an Internet Service Provider (ISP). A list of domains that are ISP's is compiled manually. For any user having a domain name of an ISP, the user is presumed to be an individual and so only information relating to that individual are used for the profiling process.

#### Reporting Process

The reporting process uses standard database techniques for generating any desired reports. For example, reports showing the number of viewings and click throughs of various advertisements may be generated along with reports showing the click through rates relative to the matching criteria. Also, reports on the SI can be readily generated.

In addition to using the domain profiling process and logging advertisement clicked on by individual users and the pages being accessed by users of affiliate web sites, in addition surveying may be used. Further, for those survey respondents who are responding for non-ISP users discussed above, the results of the survey can be attributed to others on the same network. This provides further information for targeting the display of the advertisements.

Of course, those of skill in the field will understand that the disclosed techniques need not just be confined to Internet advertising but will work on other communication networks and private on line services such as CompuServe and America On Line. In addition, while specific user and domain profile information and matching criteria are discussed, it will be obvious to those of ordinary skill in the field that the specific type of user and domain name information profiled and used as matching criteria may include other or different criteria. In addition, while the specific examples are for IP networks, the same concepts can be applied to virtual LAN's such that a VLAN is the equivalent of a domain or on IPX based protocols or other network protocols.

Still further, rather than using cookies or IP addresses or other network addresses to identify the users, digital signatures or certificates may be used. In addition, a log in technique may be used whereby when users first access an affiliated web site, the user is assigned through a log in procedure a unique identifier and a log in name. When the user subsequently accesses either the same or a different

affiliated web site, the user logs in using the unique identifier, thereby ensuring that users can be identified notwithstanding proxy servers or different users using the same computer.

Still further, those of ordinary skill in the field will also understand that while the advertising server, the affiliate web site and the advertiser's web site are described as being in different geographic locations, that is not required. Still further, while the advertising server process, reporting process, derive profile process and management process are described as being implemented on one computer platform performing all of the above described functions, it is readily understood by those of skill that any or all of these functions may be implemented on one or more different computers and further that these processes may be performed at different nodes on the network.

We claim:

1. A network supporting the hypertext transfer protocol, comprising:

a user node having a browser program coupled to said network, said user node providing requests for information on said network;

a content provider affiliate node having a respective affiliate web site responsive to requests for information from said user node to provide media content, advertising space for display of advertising content and a link message to said user node;

an advertiser node having an advertiser web site including advertising content, said advertiser node responsive to a request to provide said advertising content; and

an advertisement server node storing information about said user node, said advertisement server node being responsive to a request from said user node based on said link message to select an advertiser node as a selected advertiser node based upon the information stored about said user node at said advertisement server node, and identify said advertiser node as said selected advertiser node to said user node,

whereby said advertising content from said selected advertiser node is displayed at said user node.

2. A network in accordance with claim 1, wherein said advertisement server node selects said advertiser node based on the number of times said advertising content has been previously displayed at said user node.

3. A network in accordance with claim 1, wherein said advertisement server node selects said advertiser node based on the characteristics of said user.

4. A network in accordance with claim 3, wherein said advertisement server node selects said advertiser node based on at least one of the characteristics of said user selected from the group consisting of user ID, IP address, user cookie, user login code, user digital certificate, geographic location, time zone, country, domain type, Internet service provider, organization type, employer, industry type, company size, number of employees, types of advertisements previously viewed and types of advertisements previously clicked.

5. A network in accordance with claim 1, wherein said link message is an HTML tag.

6. A network in accordance with claim 1, wherein said link message is an HTTP redirect message containing an IP address used to redirect said user node to said advertisement server node.

✓ 7. In a network supporting the hypertext transfer protocol and having a user node including a browser program coupled to said network, said user node providing requests for information on said network, a content provider affiliate node having a respective affiliate web site responsive to requests for information from said user node to provide media content, advertising space for display of advertising content and a link message to said user node, a

plurality of advertiser nodes, each of said plurality of advertiser nodes having a respective advertiser web site including respective advertising content, each of said advertiser nodes responsive to a respective request to provide respective advertising content, a network node comprising:

an advertisement server node storing information about said user node and responsive to a request from said user node based on said link message to select an advertiser node as a selected advertiser node based upon the information stored about said user node at said advertisement server node, and identify said advertiser node as said selected advertiser node to said user node, whereby said advertising content from said selected advertiser node is displayed at said user node.

8. An advertisement server node in accordance with claim 7, wherein said advertisement server node selects said advertiser node based on the number of times said advertising content has been previously displayed at said user node.

9. An advertisement server node in accordance with claim 7, wherein said advertisement server node selects said advertiser node based on the characteristics of said user.

10. An advertisement server node in accordance with claim 9, wherein said advertisement server node selects said advertiser node based on at least one of the characteristics of said user selected from the group consisting of user ID, IP address, user cookie, user login code, user digital certificate, geographic location, time zone, country, domain type, Internet service provider, organization type, employer, industry type, company size, number of employees, types of advertisements previously viewed and types of advertisements previously clicked.

11. A network node in accordance with claim 7, wherein said link message is an HTML tag.

12. A network node in accordance with claim 7, wherein said link message is an HTTP redirect message containing an IP address used to redirect said user node to said advertisement server node.

13. In a network supporting the hypertext transfer protocol and having a user node including a browser program coupled to said network, said user node providing requests for information on said network, an advertiser node having an advertiser web site including advertising content, said advertiser node responsive to a request to provide said advertising content, and an advertisement server node storing information about said user node and responsive to a request from said user node to select an advertiser node as a selected advertiser node based upon the information stored about said user node at said advertisement server node, and identify said advertiser node as said selected advertiser node to said user node, wherein said advertising content from said selected advertiser node is displayed at said user node, a network node comprising:

a content provider affiliate node having a respective affiliate web site responsive to requests for information from said user node to provide media content and

advertising space for display of advertising content, said content provider affiliate web site further providing a link message to said user node identifying the IP address of said advertisement server node to said user node for providing advertising content for said advertising space, wherein the advertising content is selected by said advertisement server node based upon the information stored about said user node at said advertisement server node.

14. A network node in accordance with claim 13, wherein said link message is an HTML tag.

15. A network node in accordance with claim 13, wherein said link message is an HTTP redirect message containing said IP address used to redirect said user node to said advertisement server node.

✓ 16. A network supporting the hypertext transfer protocol, comprising:

a user node having a browser program coupled to said network, said user node providing requests for information on said network;

a content provider affiliate node having a respective affiliate web site responsive to requests for information from said user node to provide media content, advertising space for display of advertising content and a link message to said user node; and  
 an advertisement server node storing information about said user node and responsive to a request from said user node based on said link message to select an advertising banner for said advertising space based upon the information stored about said user node, and to reply to said request from said user node by identifying said advertising banner to said user node,  
 whereby said advertising banner from said advertisement server node is displayed at said user node in said advertising space.

17. An advertisement server node in accordance with claim 16, wherein said advertisement server node selects said advertiser node based on the number of times said advertising content has been previously displayed at said user node.

18. An advertisement server node in accordance with claim 16, wherein said advertisement server node selects said advertiser node based on the characteristics of said user.

19. An advertisement server node in accordance with claim 18, wherein said advertisement server node selects said advertiser node based on at least one of the characteristics of said user selected from the group consisting of user ID, IP address, user cookie, user login code, user digital certificate, geographic location, time zone, country, domain type, Internet service provider, organization type, employer, industry type, company size, number of employees, types of advertisements previously viewed and types of advertisements previously clicked.

20. A network in accordance with claim 16, further including:

wherein said advertisement server node is responsive to a request from said user node to identify an advertiser web site corresponding to said advertising banner; and an advertiser node having an advertiser web site including advertising content corresponding to said advertising banner, said advertiser node responsive to a request to provide said advertising content corresponding to the selection of said advertising banner by said user,

whereby said advertising content from said advertiser node is displayed at said user node.

21. A network in accordance with claim 16, wherein said link message is an HTML tag.

22. A network in accordance with claim 16, wherein said link message is an HTTP redirect message containing an IP address used to redirect said user node to said advertisement server node.

23. In a network supporting the hypertext transfer protocol and comprising a user node having a browser program coupled to said network, said user node providing requests for information on said network, a content provider affiliate node

having a respective affiliate web site responsive to requests for information from said user node to provide media content, advertising space for display of advertising content and a link message to said user node, a network node comprising:

an advertisement server node storing information about said user node and responsive to a request from said user node based on said link message to select an advertising banner for said advertising space based upon the information stored about said user node at said advertisement server node, and to reply to said request from said user node by identifying said advertising banner to said user node, wherein said advertising banner from said advertisement server node is displayed at said user node in said advertising space.

24. An advertisement server node in accordance with claim 23, wherein said advertisement server node selects

said advertising banner based on the number of times said advertising content has been previously displayed at said user node.

25. An advertisement server node in accordance with claim 23, wherein said advertisement server node selects said advertising banner based on the characteristics of said user.

26. An advertisement server node in accordance with claim 25, wherein said advertisement server node selects said advertising banner based on at least one of the characteristics of said user selected from the group consisting of user ID, IP address, user cookie, user login code, user digital certificate, geographic location, time zone, country, domain type, Internet service provider, organization type, employer, industry type, company size, number of employees, types of advertisements previously viewed and types of advertisements previously clicked.

27. A network node in accordance with claim 23, wherein said link message is an HTML tag.

28. A network node in accordance with claim 23, wherein said link message is an HTTP redirect message containing an IP address used to redirect said user node to said advertisement server node.

29. In a network supporting the hypertext transfer protocol and comprising a user node having a browser program coupled to said network, said user node providing requests for information on said network, an advertisement server node storing information about said user node and responsive to a request from said user node to select an advertising banner for said advertising space based upon the information stored about said user node, and to reply to said request from said user node by identifying said advertising banner to said user node, a network node comprising:

a content provider affiliate node having a respective affiliate web site responsive to requests for information from said user node to provide media content and advertising space for display of advertising content, said content provider affiliate web site further providing a link message to said user node identifying the IP address of said advertisement server node to said user node for providing an advertising banner for said advertising space, wherein the advertising banner is selected based upon the information stored about said user node at said advertisement server node.

30. A network node in accordance with claim 29, wherein said link message is an HTML tag.

31. A network node in accordance with claim 29, wherein said link message is an HTTP redirect message containing said IP address used to redirect said user node to said advertisement server node.

32. In a network supporting the hypertext transfer protocol and comprising a user node having a browser program coupled to said network, said user node providing requests for information on said network a content provider affiliate node having a respective affiliate web site responsive to requests

for information from said user node to provide media content, advertising space for display of advertising content and a link message to said user node, and an advertiser node having an advertiser web site including advertising content corresponding to said advertising banner, said advertiser node responsive to a request to provide said advertising content corresponding to the selection of said advertising banner by said user, a network node comprising:

an advertisement server node storing information about said user node and responsive to a request from said user node based on said link message to select an advertising banner for said advertising space based upon the information stored about said user node, and to reply to said request from said user node by identifying said advertising banner to said user node, wherein said advertisement server node is responsive to a request from said user node to identify an advertiser web site corresponding to said advertising banner, whereby said

advertising banner from said advertisement server node is displayed at said user node in said advertising space, and whereby said advertising content from said selected advertiser node is displayed at said user node.

33. An advertisement server node in accordance with claim 32, wherein said advertisement server node selects said advertising banner based on the number of times said advertising content has been previously displayed at said user node.

34. An advertisement server node in accordance with claim 32, wherein said advertisement server node selects said advertising banner based on the characteristics of said user.

35. An advertisement server node in accordance with claim 34, wherein said advertisement server node selects said advertising banner based on at least one of the characteristics of said user selected from the group consisting of user ID, IP address, user cookie, user login code, user digital certificate, geographic location, time zone, country, domain type, Internet service provider, organization type, employer, industry type, company size, number of employees, types of advertisements previously viewed and types of advertisements previously clicked.

36. A network method in accordance with claim 35, wherein said advertisement server node selects said advertising banner based on the characteristics of said user.

37. A network method in accordance with claim 36, wherein said advertisement server node selects said advertising banner based on at least one of the characteristics of said user selected from the group consisting of user ID, IP address, user cookie, user login code, user digital certificate, geographic location, time zone, country, domain type, Internet service provider, organization type, employer, industry type, company size, number of employees, types of advertisements previously viewed and types of advertisements previously clicked.

38. A network method in accordance with claim 35, wherein said advertisement server node selects said advertising banner based on the number of times said advertising content has been previously displayed at said user node.

39. A method in accordance with claim 37, said method further comprising:

    sending a request from said user node to said advertising server web site responsive to selection of said advertising banner at said user node;  
    sending a reply from said advertising server web site to said user node identifying said advertiser web site corresponding to said advertising banner;  
    sending a request from said user node to said advertising web site to provide said advertising content corresponding to said advertising banner by said user;  
    sending a reply from said advertiser web site to said user node; and  
    displaying said advertising content at said user node.

40. A network node in accordance with claim 32, wherein said link message is an HTML tag.

41. A network node in accordance with claim 32, wherein said link message is an HTTP redirect message containing an IP address used to redirect said user node to said advertisement server node.

42. In a network supporting the hypertext transfer protocol and including a user node having a browser program coupled to said network, a content provider affiliate node having a respective affiliate web site containing media content, advertising space for display of advertising content

and an advertisement server node having an advertising server web site and storing information about said user node, a method for delivery of advertising to said user node, said method comprising:

    sending a request for information from said user node to said affiliate web site requesting information;

    sending a reply from said affiliate web site responsive to said request for information from said user node, said reply containing media content, advertising space for display of advertising content and a link message to said user node;

    sending a request from said user node based on said link message to said advertising server web site to provide an advertising banner for said advertising space;

    selecting, at said advertising server web site, an advertising banner based upon the information stored about said user node;

    sending a reply from said advertising server web site identifying said advertising banner to said user node;

    and

    displaying said advertising banner in said advertising space at said user node.

43. A network method in accordance with claim 42, wherein said link message is an HTML tag.

44. A network method in accordance with claim 42, wherein said link message is an HTTP redirect message containing an IP address used to redirect said user node to said advertisement server node.

45. In a network supporting the hypertext transfer protocol and including a user node having a browser program coupled to said network, a content provider affiliate node having a respective affiliate web site containing media content and advertising space for display of advertising content, an advertisement server node storing information about said user node, and an advertiser node having an advertiser web site including advertising content, a method for delivery of advertising content to said user node said method comprising:

    sending a request for information from said user node to said affiliate web site requesting information;

    sending a reply from said affiliate web site, responsive to said request for information from said user node, containing media content, advertising space for display of advertising content and a link message to said user node;

    sending a request based on said link message from said user node to said advertisement server node to select an advertiser node;

    selecting, at said advertisement server node, an advertiser node based upon the information stored about said user node;

    sending a reply from said advertisement server node to said user node identifying said selected advertiser node;

    sending a request from said user node to said advertiser node to provide said advertising content to said user;

    sending a reply from said advertiser web site to said user node containing said advertising content; and

displaying said advertising content at said user node.

46. A network method in accordance with claim 45, wherein said advertisement server node selects said advertiser node based on the number of times said advertising content has been previously displayed at said user node.

47. A network method in accordance with claim 45, wherein said advertisement server node selects said advertiser node based on the characteristics of said user.

48. A network method in accordance with claim 47, wherein said advertisement server node selects said advertiser node based on at least one of the characteristics of said user selected from the group consisting of user ID, IP address, user cookie, user login code, user digital certificate,

geographic location, time zone, country, domain type, Internet service provider, organization type, employer, industry type, company size, number of employees, types of advertisements previously viewed and types of advertisements previously clicked.

49. A network method in accordance with claim 45, wherein said link message is an HTML tag.

50. A network method in accordance with claim 45, wherein said link message is an HTTP redirect message containing an IP address used to redirect said user node to said advertisement server node.

\* \* \* \* \*

FIG. 1

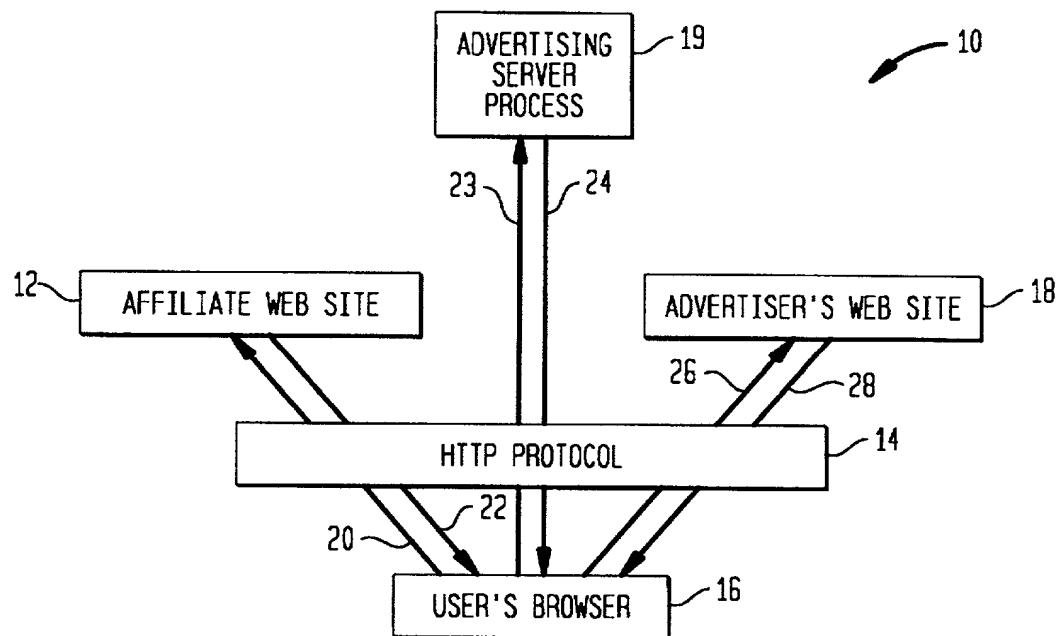


FIG. 2

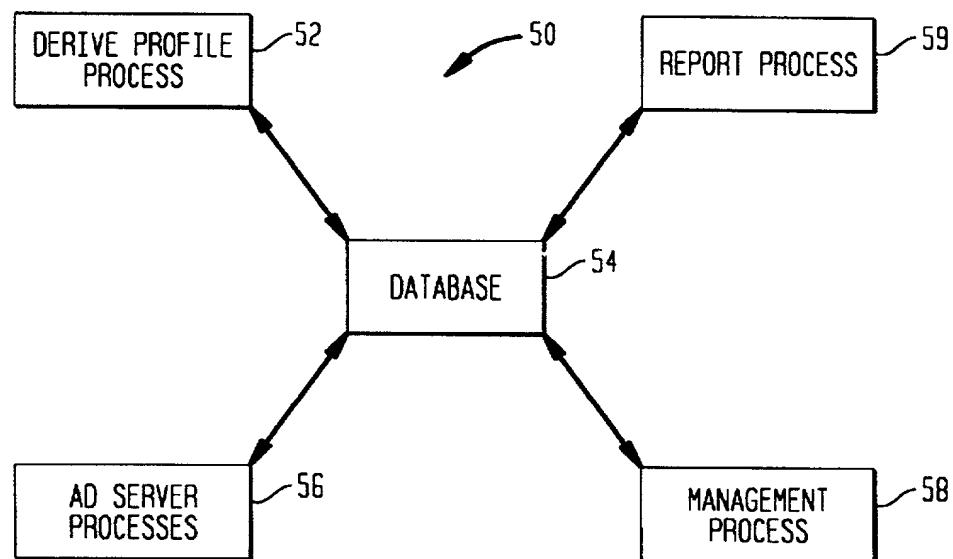


FIG. 3A

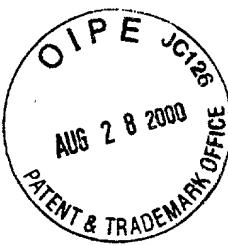
USER ID	IP ADDRESS	DOMAIN TYPE	TIME ZONE	LOCATION	SIC	ADS SEEN	ADS CLICKED ON	PAGES ADS SEEN ON
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FIG. 3B

AD ID	START DATE	END DATE	TOTAL VIEWED	SIC's	TARGET NO.	PRIOR CLICKED ON's	PAGES ADS SEEN ON
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FIG. 3C

DOMAIN NAME	NETWORK ADDRESS	SIC	GEOGRAPHIC LOCATION	TIME ZONE	NO. OF EMPLOYEES
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PTO/SB/54 (12-97)

Approved for use through 03/01/00. GMB 0651-0033

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**REISSUE APPLICATION BY THE ASSIGNEE,  
OFFER TO SURRENDER PATENT**

Docket Number (Optional)

**11032/5**

This is part of the application for a reissue patent based on the original patent identified below.

## Name of Patentee(s):

Dwight Allen Merriman and Kevin Joseph O'Connor

## Patent Number

5,948,061

## Date Patent Issued

Sep. 7, 1999

## Title of Invention

METHOD OF DELIVERY, TARGETING, AND MEASURING ADVERTISING OVER NETWORKS

DOUBLECLICK INC. is the assignee of the entire interest in the original patent.

I offer to surrender the original patent upon issuance of reissue application serial number 09/577,798, filed on May 24, 2000.

 A certificate under 37 CFR 3.73(b) is attached.

I am authorized to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application, any patent issued thereon, or any patent to which this declaration is directed.

## Name of assignee

DOUBLECLICK INC.

## Signature of person signing for assignee

*Elizabeth Wang*

## Date

Aug. 17, 2000

## Typed or printed name and title of person signing for assignee

Elizabeth Wang, VP &amp; General Counsel



U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

**ASSIGNEE'S ASSENT  
UNDER 37 C.F.R. § 1.172**

Reissue Applicant  
Dwight Allen MERRIMAN  
et al

Reissue Application No.  
09/577,798

Docket Number:  
11032/5

Reissue Filing Date  
May 24, 2000

Patent Number  
5,948,061

Issued  
September 7, 1999

Examiner

Art Unit  
2757

Invention Title  
METHOD OF DELIVERY, TARGETING, AND  
MEASURING ADVERTISING OVER NETWORKS

Assignee  
DoubleClick Inc.

DoubleClick Inc., with an office at 450 West 33<sup>rd</sup> Street, New York, New York 10001, is the sole owner of the entire right, title and interest in and to U.S. Patent No. 5,948,061, as set forth in the Assignment recorded in the records of the U.S. Patent and Trademark Office on February 3, 1997 at Reel 8357, Frame 0650.

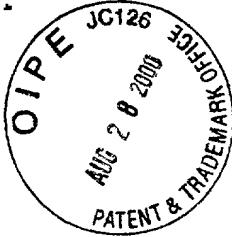
DoubleClick Inc., as the assignee of U.S. Patent No. 5,948,061, hereby assents to the filing of the Reissue application with regard to this patent.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

DOUBLECLICK INC.

Date: August 17, 2000

Elizabeth Wang  
Name: Elizabeth Wang  
Title: VP of General Counsel



PTO/SB/51 (12-97)

Approved for use through 04/30/02. OMB 0651-0033  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Docket Number (Optional)

11032/5

## REISSUE APPLICATION DECLARATION BY THE INVENTOR

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name.  
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 5,948,061, granted Sep. 7, 1999, and for which a reissue patent is sought on the invention entitled METHOD OF DELIVERY, TARGETING, AND MEASURING

ADVERTISING OVER NETWORKS

the specification of which

is attached hereto.

was filed on May 24, 2000 as reissue application number 09 / 577,798  
and was amended on \_\_\_\_\_  
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verify believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

- by reason of a defective specification or drawing.
- by reason of the patentee claiming more or less than he had the right to claim in the patent.
- by reason of other errors.

At least one error upon which reissue is based is described as follows:

We, the inventors, believe that pursuant to 37 C.F.R. 1.175, the original patent, No. 5,948,061, is partly inoperative by reason that we claimed more or less than we had a right to claim in the patent, in that the invention encompasses an advertisement selection technique other than that which was originally claimed.

[Page 1 of 2]

**Burden Hour Statement:** This form is estimated to take 0.5 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/61 (12-97)

Approved for use through 09/30/00, OMB 0651-0083

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## (REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

Docket Number (Optional)  
11032/5

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Name(s) \_\_\_\_\_ Registration Number \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Correspondence Address: Direct all communications about the application to:

 Customer Number

\_\_\_\_\_

Place Customer Number Bar  
Code Label here

OR

Type Customer Number here

<input type="checkbox"/> Firm or Individual Name			
Address			
Address			
City	State	ZIP	
Country			
Telephone	Fax		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)

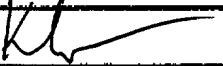
Dwight Allen Merriman

Inventor's signature

Residence 421 Hudson St., Apt. 614, New York, NY 10014	Date 8-15-00
Post Office Address 421 Hudson St., Apt. 614, New York, NY 10014	Citizenship US

Full name of second joint inventor (given name, family name)

Kevin Joseph O'Connor

Inventor's signature 	Date 8/15/00
---	-----------------

Residence 115 Central Park West, #7B, NY, NY	Citizenship US
---	-------------------

Post Office Address 115 Central Park West, #7B, New York, New York 10023	
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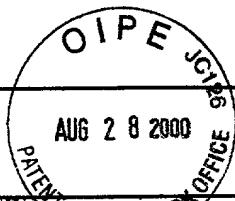
Full name of third joint inventor (given name, family name)

Inventor's signature	Date
----------------------	------

Residence	Citizenship
-----------	-------------

Post Office Address	
---------------------	--

<input type="checkbox"/> Additional joint inventors are named on separately numbered sheets attached hereto.
--



U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

**APPOINTMENT OF POWER OF ATTORNEY  
BY ASSIGNEE OF ENTIRE INTEREST**

Docket Number:  
11032/5

Reissue Applicant  
Dwight Allen MERRIMAN  
et al

Reissue Application No.  
09/577,798

Reissue Filing Date  
May 24, 2000

Reissue of Patent Number  
5,948,061

Issued  
September 7, 1999

Examiner  
2757

Invention Title  
**METHOD OF DELIVERY, TARGETING, AND  
MEASURING ADVERTISING OVER NETWORKS**

Assignee  
DoubleClick Inc.

DoubleClick Inc., as assignee of the entire right, title, and interest in the application for patent entitled **METHOD OF DELIVERY, TARGETING, AND MEASURING ADVERTISING OVER NETWORKS**, Reissue Serial No. 09/577,798, filed May 24, 2000, does hereby appoint

- James E. Rosini (Reg. No. 30,101)
- Gerard A. Messina (Reg. No. 35,952)
- Brian S. Mudge (Reg. No. 40,738)
- Benjamin Hershkowitz (Reg. No. 41,833)
- Gary S. Morris (Reg. No. 40,735)

as its attorneys/agents with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please address all communications regarding this application to:

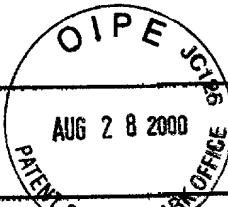
Gerard A. Messina, Esq.  
KENYON & KENYON  
One Broadway  
New York, New York 10004

Please direct all telephone calls to Gerard A. Messina at (212) 425-7200.

DOUBLECLICK INC.  
450 West 33<sup>rd</sup> Street  
New York, NY 10001

Dated: Aug. 17, 2000

By: Elizabeth Wang  
Name: Elizabeth Wang  
Title: VP & General Counsel



U. S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

**CERTIFICATE UNDER 37 C.F.R. 3.73(b)**

Docket Number:  
11032/S

Reissue Applicant Dwight Allen MERRIMAN et al	Reissue Application No. 09/577,798	Reissue Filing Date May 24, 2000	
Patent Number 5,948,061	Issued September 7, 1999	Examiner	Art Unit 2757
Invention Title <b>METHOD OF DELIVERY, TARGETING, AND MEASURING ADVERTISING OVER NETWORKS</b>	Assignee DoubleClick Inc.		

Address to:  
Assistant Commissioner for Patents  
Washington D.C. 20231

DoubleClick Inc., a company having a place of business at 450 West 33<sup>rd</sup> Street, New York, NY 10001, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors of the patent identified above. The assignment from Dwight Allen Merriman and Kevin Joseph O'Connor to DoubleClick Inc., was recorded in the Patent and Trademark Office on February 3, 1997 at Reel 8357, Frame 0650.

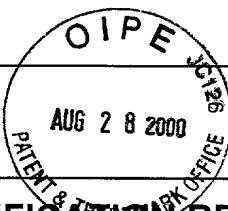
The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

DOUBLECLICK INC.

Date: August 17, 2000

Elizabeth Wang  
Name: Elizabeth WANG  
Title: VP & General Counsel



SECTION 4

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

**NOTIFICATION REGARDING LITIGATION**

Docket Number:  
11032/25

Reissue Applicant  
Dwight Allen MERRIMAN  
et al

Reissue Application No.  
09/577,798

Reissue Filing Date  
May 24, 2000

Patent Number  
5,948,061

Issued  
September 7, 1999

Examiner  
Art Unit  
2757

Invention Title  
METHOD OF DELIVERY, TARGETING, AND  
MEASURING ADVERTISING OVER NETWORKS

Assignee  
DoubleClick, Inc.

The Examiner's attention is directed to the following concurrent litigations involving the above-identified U.S. Patent No. 5,948,061:

DoubleClick, Inc. v. L90, Inc., Civil Action No. 2:99-1914, E.D. Va.

DoubleClick, Inc. v. Sabela Media, Inc., Civil Action No. 1:99-11781,  
S.D.N.Y.

Presently, these two litigations have been consolidated under Civil Action Nos. 1:99-11781 and 1:00-2690 in the Southern District of New York. These litigations have been stayed pending completion of the reissuance proceedings, except for the defendants' inequitable conduct counterclaims.

Copies of the following documents connected to DoubleClick's litigations against L90, Inc. and Sabela Media, Inc. are enclosed:

SUMMONS IN A CIVIL CASE, DoubleClick Inc. v. L90, Inc., Case Number 2:99-1914, District of Virginia;

COMPLAINT FOR PATENT INFRINGEMENT, DoubleClick Inc. v. L90, Inc., Case Number 2:99-1914, District of Virginia, dated November 12, 1999;

SUMMONS IN A CIVIL CASE, DoubleClick Inc. v. Sabela Media, Inc., 99 CIV. 1178, Southern District of New York;

COMPLAINT AND JURY DEMAND, DoubleClick Inc. v. Sabela media, Inc.,  
99 CIV. 1178, Southern District of New York, dated December 3, 1999;

ANSWER AND COUNTERCLAIM OF DEFENDANT L90, INC.; dated January  
4, 2000;

DEFENDANT L90, INC.'S ANSWERS TO PLAINTIFF'S FIRST SET OF  
INTERROGATORIES, dated January 18, 2000;

PLAINTIFF DOUBLECLICK'S RESPONSE TO DEFENDANT L90'S  
ANSWER AND COUNTERCLAIM, dated January 18, 2000;

PLAINTIFF DOUBLECLICK, INC.'S OBJECTIONS AND RESPONSES TO  
DEFENDANT L90, INC.'S FIRST SET OF INTERROGATORIES (1-21), dated January  
24, 2000, with Exhibits A and B;

PLAINTIFF DOUBLECLICK, INC.'S RESPONSES AND OBJECTIONS TO  
DEFENDANT L90'S FIRST REQUEST FOR PRODUCTION OF DOCUMENTS, dated  
January 24, 2000;

ANSWER AND COUNTERCLAIM OF SABELA MEDIA, INC., dated January  
28, 2000;

SABELA'S OBJECTIONS AND RESPONSES TO DOUBLECLICK'S FIRST  
SET OF INTERROGATORIES TO DEFENDANT, dated February 1, 2000;

DEFENDANT L90, INC.'S SUPPLEMENTAL RESPONSES TO PLAINTIFF'S  
FIRST SET OF INTERROGATORIES, dated February 9, 2000;

PLAINTIFF DOUBLECLICK INC.'S RESPONSES TO DEFENDANT  
SABELA INC.'S FIRST SET OF INTERROGATORIES, dated March 2, 2000;

PLAINTIFF DOUBLECLICK'S RESPONSES AND OBJECTIONS TO  
SABELA'S FIRST REQUEST FOR DOCUMENTS AND THINGS, dated March 2,  
2000;

PLAINTIFF DOUBLECLICK INC.'S CLAIM CHART, dated March 17, 2000;

SABELA'S CLAIM CONSTRUCTION CHART, dated April 14, 2000;

FIRST AMENDED ANSWER AND COUNTERCLAIM OF DEFENDANT L90,  
INC., dated May 12, 2000;

DEFENDANT L90 INC.'S CLAIM CONSTRUCTION CHART, dated May 12,  
2000;

AMENDED ANSWER AND COUNTERCLAIMS OF SABELA MEDIA, INC.,  
dated May 17, 2000;

NOTICE OF MOTION TO STAY PENDING REISSUE PROCEEDINGS  
BEFORE THE U.S. PATENT AND TRADEMARK OFFICE, dated May 26, 2000, with  
accompanying DECLARATION OF CHARLES L. KERR IN SUPPORT OF  
PLAINTIFF DOUBLECLICK INC.'S MOTION TO STAY PENDING REISSUE  
PROCEEDINGS BEFORE THE U.S. PATENT OFFICE, date May 26, 2000, with  
Exhibits A-C;

MEMORANDUM OF LAW IN SUPPORT OF PLAINTIFF DOUBLECLICK  
INC.'S MOTION TO STAY PENDING REISSUE PROCEEDINGS BEFORE THE U.S.  
PATENT AND TRADEMARK OFFICE, dated May 26, 2000;

DECLARATION OF JOHN M. CALLAGHAN IN SUPPORT OF DEFENDANT  
L90'S MOTION TO STAY, dated June 10, 2000, with Exhibits A-H attached;

DEFENDANT L90, INC.'S OPPOSITION TO PLAINTIFF DOUBLECLICK INC.'S MOTION TO STAY PENDING PROCEEDINGS BEFORE THE U.S. PATENT AND TRADEMARK OFFICE, dated June 12, 2000, with Exhibits A-D;

MEMORANDUM IN PARTIAL OPPOSITION TO PLAINTIFF'S MOTION TO STAY PENDING REISSUE PROCEEDINGS BEFORE THE U.S. PATENT AND TRADEMARK OFFICE, dated June 12, 2000;

DECLARATION OF JAMES S. BLANK, date June 12, 2000, with Exhibits 1-12;

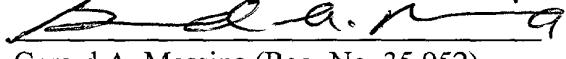
PLAINTIFF DOUBLECLICK'S RESPONSE TO DEFENDANT L90'S FIRST AMENDED ANSWER AND COUNTERCLAIM, dated June 15, 2000;

PLAINTIFF DOUBLECLICK'S RESPONSE TO DEFENDANT SABELA MEDIA INC.'S FIRST AMENDED ANSWER AND COUNTERCLAIM, dated June 15, 2000;

REPLY MEMORANDUM OF LAW IN FURTHER SUPPORT OF PLAINTIFF DOUBLECLICK INC.'S MOTION TO STAY PENDING REISSUE PROCEEDINGS BEFORE THE U.S. PATENT AND TRADEMARK OFFICE, dated June 19, 2000;

ORDER of Judge Cote, Southern District of New York, granting a partial stay pending completion of reissuance proceedings, dated July 24, 2000.

Dated: 8/25/00

By:   
Gerard A. Messina (Reg. No. 35,952)

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